I CLAIM:

1. A method of producing a non-woven fabric, comprising:

(a) forming fiber strands from a fiber forming resin through a spinneret;

(b) drawing the fiber strands from the spinneret by using a drawing air jet device;

(c) forming the fiber strands on a conveyor screen belt and advancing the same along a longitudinal direction; and

(d) using a swinging air jet device to swing the fiber strands to-and-fro downstream of the drawing air jet device, upstream of the conveyor screen belt and in transverse directions which are transverse to the longitudinal direction, wherein the fiber strands are formed into wavy patterns which overlap and interlace each other in the transverse directions.

2. The method as claimed in Claim 1, wherein the swinging air jet device is used to produce swinging air currents in step (d) to blow the fiber strands, the swinging air jet device having a plurality of swinging louvers.

3. An apparatus for making a non-woven fabric, comprising:

a spinneret for forming fiber strands;

a drawing air jet device disposed downstream of said spinneret for drawing the fiber strands;

a conveyor screen belt disposed downstream of the drawing air jet device for forming and advancing the

fiber strands in a longitudinal direction; and

a swinging air jet device disposed downstream of the drawing air jet device and upstream of the conveyor screen belt for swinging the fiber strands to-and-fro in transverse directions which are transverse to the longitudinal direction, wherein the fiber strands are formed into wavy patterns which overlap and interlace each other in the transverse directions.

4. The apparatus as claimed in Claim 3, wherein the swinging air jet device includes a plurality of swinging louvers to produce swinging air currents.

5. The apparatus as claimed in Claim 3, wherein the swinging air jet device includes a nozzle outlet, and a plurality of swinging louvers disposed at said nozzle outlet, said swinging louvers being arranged in a row along a direction transverse to the longitudinal direction.